

STN CA Caesar accession number : 1912

XP 002134118

AN - 1992:59409 CAPLUS
 DN - 116:59409
 TI - Preparation of thiadiazine derivatives as insecticides and miticides
 IN - Nakaya, Michihiko; Shiraishi, Shiro; Yamada, Hidekazu; Numata, Satoshi
 PA - Mitsui Toatsu Chemicals, Inc., Japan
 SO - Jpn. Kokai Tokkyo Koho, 9 pp.
 CODEN: JKXXAF
 DT - Patent
 LA - Japanese
 FAN.CNT 1

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|----|--------------------|------|----------|-----------------|----------|
| PN | - JP3215478 | A | 19910920 | JP 1990-6307 | 19900117 |
| | JP3197472 | A | 19910828 | JP 1989-336624 | 19891227 |
| PR | - JP 1990-6307 | | 19900117 | | |
| OS | - MARPAT 116:59409 | | | | |

AB - Thiadiazine derivs. [I; R1 = H, C1-7 alkyl; R2 = C1-4 haloalkyl, haloalkoxy] are prepd. by cyclocondensation of R1C6H4N(COCl)CH2Cl (II) with p-R2C6H4NHCSNHCH2CF3 (III). Refluxing a soln. of 0.25 g II (R1 = H) and 0.39 g III (R2 = CF3O) in MePh gave 0.08 g I (R1 = H, R2 = CF3O), which killed 100% Spodoptera litura and Plutella xylostella at 500 ppm. Also prepd. and tested were 4 addnl. I.

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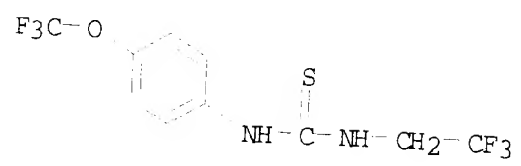
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IT - 138585-88-3P 138585-89-4P
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation) (prepn. and reaction of, in prepn. of insecticide)
 RN - 138585-88-3 CAPLUS
 CN - Thiourea, N-(2,2,2-trifluoroethyl)-N'-[4-(trifluoromethoxy)phenyl]-(9CI) (CA INDEX NAME)

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N 138585-89-4 CAPLUS
 N Thiourea, N-(2,2,2-trifluoroethyl)-N'-[4-(trifluoromethyl)phenyl]-(9CI) (CA INDEX NAME)

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Marker: 00000068

SOURCE: (C) WPI / DERWENT

AN : 1991-321619 [44]

MC : C07-F03 C12-B04 C12-N02

PN : JP3215478 A 19910920 DW199144 000pp

PR : JP19900006307 19900117

PA : (MITK) MITSUI TOATSU CHEM INC

DC : C02

IC : A01N43/88 ;C07D285/34

TI : Thiadiazine derivs. used as insecticides and acaricides - e.g.
2-2,2,2-tri:fluoro-ethyl-imino 3-4-tri:fluoro-methoxy-phenyl-5-phenyl
tetra:hydro-1,3,5-thiadiazin-4-one

AB : J03215478 Tetrahydro-1,3,5-thiadiazin-4-ones of formula (I) and their
salts are new. (R1 is H, or 1-4C alkyl; R2 is 1-4C haloalkyloxy, or
1-4C haloalkyl).

- (I) are produced by a claimed process of reacting a compound (II) and
a compound (III).

- Also claimed is an insecticide and acaricide contg. (I) as an active
ingredient.

- Specifically claimed are (1) 2-(2,2,2-trifluoroethylimino)
-3-(4-trifluoromethoxyphenyl)-5-phenyl-tetrahydro-1,3,5-thiadiazin-4-on
e and (2) 2-(2,2,2-trifluoroethylimino)-3-
(4-(4-trifluoromethylphenyl)-5-phenyl-tetrahydro-1,3,5-thiadiazin-4-one

- USE/ADVANTAGE - Acaricide and insecticide.

- In an example, N-chloromethyl-N-phenylcarbamoyl chloride (0.25 g) and
1-(4-trifluoromethoxyphenyl)-3-(2,2,2-trifluoroethyl)thiourea (0.39 g)
were dissolved in toluene and heated under reflux for 4 hours to obtain
an oil prod. of (1). Yield: 0.08 g. (9pp Dwg.No.0/0)

